

Purchase Order Receipt Listing

Wednesday, November 11, 2015 1:17:10 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30389 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO30389	1	No	M174R0.750 17-4 round bar .750 f m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$4.07 \$48.87	0.0000 0.0000	0 0	\$48.87
	2	No	M304R0.375 304 ROUND BAR 0.375 m133587	f	11/18/2015 24.0000	11/11/2015 DCUSER	24.0000	\$1.12 \$26.77	0.0000 0.0000	0 0	\$26.77
	3	No	M304R0.750 304 SS Roundbar .750 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$2.58 \$30.97	0.0000 0.0000	0 0	\$30.97
	4	No	M304S18GA 304/316 .050 Sheet m133587	sf	11/18/2015 160.0000	11/11/2015 DCUSER	160.0000	\$2.78 \$445.50	0.0000 0.0000	0 0	\$445.50
	5	No	M304S24GA 304/316 .025 Sheet m133587	sf	11/18/2015 32.0000	11/11/2015 DCUSER	32.0000	\$2.27 \$72.66	0.0000 0.0000	0 0	\$72.66
	6	No	M6061T6B0.375X01. f 000 6061T6 BAR .375 x 1.00 m133587	f	11/18/2015 24.0000	11/11/2015 DCUSER	24.0000	\$2.23 \$53.54	0.0000 0.0000	0 0	\$53.54
	7	No	M6061T6B1.000X02. f 000 6061-T6 Bar 1.00 x 2.00 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$4.16 \$49.90	0.0000 0.0000	0 0	\$49.90
	8	No	M6061T6B1.500X02. f 500 6061-T6 Bar 1.50 x 2.50 m133587	f	11/18/2015 12.0000	11/11/2015 DCUSER	12.0000	\$7.60 \$91.20	0.0000 0.0000	0 0	\$91.20

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID/Vendor Name											
PO30389	9		VC-COP001 ThyssenKrupp Materials CA Ltd								
			M6061T6B30000X01 T		11/18/2015	11/11/2015	6.0000	\$13.78	0.0000	0	\$82.68
CAD	No		6061-T6 Bar 3.00 x f		6.0000	DCUSER		\$82.68	0.0000	0	
			1.50								
			m133587								
	10		M6061T6S080 sf		11/18/2015	11/11/2015	96.0000	\$2.87	0.0000	0	\$275.10
	No		6061-T6 .080 Sheet sf		96.0000	DCUSER		\$275.10	0.0000	0	
			m133587								
	17		71401-45		11/18/2015	11/11/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	DCUSER		\$0.00	0.0000	0	
			QUALITY								
			CLAUSES								
			m133587								
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
391.0000											
0.0000											
0.0000											
\$1,177.19											
0.0000											

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 10 Nov 15 at 16:17 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-865173- 1 Your PO # 30389
STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"

Heat Number Tag No
266159 472569

Quantity PCS Wt LBS
12 FT 1 18

MTR

2) Our Order PEC-865173- 2 Your PO # 30389
STAINLESS STEEL ROUND BAR 304L
.375" DIA X 144.0000"

Heat Number Tag No
E141275 472570

Quantity PCS Wt LBS
24 FT 2 9

MTR

3) Our Order PEC-865173- 3 Your PO # 30389
STAINLESS STEEL SHEET 304-2B
0250 Nom X 48.0000" X 96.0000"

Heat Number Tag No
A1303883 472658

Quantity PCS Wt LBS
32.00 SFT 1 32

MTR

4) Our Order PEC-865173- 4 Your PO # 30389
ALUMINUM FLAT BAR 6061-T6511
.375" x 1.00" X 144.0000"

Heat Number Tag No
416010-1 472571

Quantity PCS Wt LBS
24 FT 2 11

MTR

5) Our Order PEC-865173- 5 Your PO # 30389
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"

Heat Number Tag No
HK104-200 472572

Quantity PCS Wt LBS
12 FT 1 29

MTR

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER
ALUMINUM • BRASS • COPPER • PLASTICS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G
Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963109
Ship Date 10Nov15 at 16:17 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-865173- 6 Your PO # 30389

ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.50" X 144.0000"

Heat Number
Z00635041

Tag No
472573

Quantity
12 FT

PCS
1

Wt LBS
52

MTR

7) Our Order PEC-865173- 7 Your PO # 30389

ALUMINUM FLAT BAR 6061-T6511

1.50" x 3.00" X 72.0000"

Heat Number
Z00649040

Tag No
472746

Quantity
6 FT

PCS
1

Wt LBS
32

MTR

TOTAL:

Tags
7

PCS
9

LBS
183

Heat Number

266159

416010-1

A1303883

E141275

HK104-200

Z00635041

Z00649040

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 1 PKG, 1 BDL, 1 SKID GW. 272 LBS

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963109
Ship Date 10Nov15 at 16:17 From PFW
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Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

8148
+ 8069

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 962968
Ship Date 11 Nov 15 at 10:14 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-865177- 1 Your PO # 30389
STAINLESS STEEL ROUND BAR 304L
.750" DIA X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
W4W9	472574	12 FT	1	19

TOTAL:

Tags	PCS	LBS
1	1	19

Heat Number
W4W9

*** Chemical Analysis ***

ADDD ON TO 865173 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL GW. 25 LBS

1 BDL - 600

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

SOS-1111

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 962968
 Ship Date 10Nov15 at 10:14 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
 INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
 CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
 OFFICE WILL REMAIN OPEN.

Page: 2 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
 TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 963106
 Ship Date 10 Nov 15 at 16:15 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-865181- 1 Your PO # 30389
 STAINLESS STEEL SHEET 304-2B
 .0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 DNJ007-AAC 472807

Quantity
 160.00 SFT

PCS
 5

MTR

Wt LBS
 305

2) Our Order PEC-865181- 2 Your PO # 30389
 ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 144.0000"

Heat Number Tag No
 Z-1506Y6095 472810

Quantity
 96.00 SFT

PCS
 2

MTR

Wt LBS
 109

3) Our Order PEC-865181- 3 Your PO # 30389
 Part # TOL ++ /-- .145" Rel #
 ALUMINUM PLATE 7075-T651 USI TESTED
 4.00" THICK X 4.0000" X 32.0000"
 ** GRAIN DIRECTION ALONG THE 32.00 INCH DIM ***
 B/O

TOTAL: Tags 2 PCS 7 LBS 414

Heat Number *** Chemical Analysis ***
 DNJ007-AAC
 Z-1506Y6095

ADDD ON TO 865177 AND 865173 SUR-CHARGE ADDED

8015-11-16

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001-TPS/GST TVH/HST # 140223934 RT0001

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 963106
Ship Date 10Nov15 at 16:15 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 SKIDS GW. 469 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-001

10Nov15

Signed by:

Pg 1/2

Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephon number : 0039 (0) 444968211

Clienti / Beauftragte/Kunden
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Fabrikant

Avviso di Spedizione: D-VI15012271
Lieferanweisung/Packing list

Ordine nr.: 410004982 Stock - Canada
Bestell-/Vorder-/Commande

Certificato nr.: MEST681466/2015/
Prüfung/Inspection

Conferma ordine nr.: E114010556
Werkzettel OrderRef. nr.

Marchio di Fabbrica:
Zeichen des Unternehmens
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkseachverständigen
Inspector's stamp/Pointon de l'essayeur

Stato di fornitura: Hot rolled - COND. A Peeled Reeled/Polished
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD
Erzeugung/Herstellung process/Mode d'elaboration

Specifiche:
Anforderungen / Requirements / Exigences

VSI 2 630 A
AMS 5643 F S17400 A
ASTM A564 2013 S17400 A

AISI 630
ASME SA564 2013 S17400 A (0)

AMS 2303 F
ASTM A370 2014

(0) SECTION II P.T.A 2013 EDITION

Qualità: 630
Werkstoff/Grade/Marque

Marca: V174
Markenbezeichnung
Brand/Marque

Tolleranza: ASTM A484-14a TABLE 7
Toleranz/Allowance/Tolerance

Punzonatura: 630
Kannzeichnung/Markung/Marque

Pos. nr. Pos. nr. N. de poste	Oggetto Gegegenstand Description du produit	Dimensioni - in Abmessungen Dimensions	Lunghezza - in Länge Longueur	Cotata Schnitte Heat Cooling	Pezzi Stückzahl Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr.
0020	Round	0,7500	146 / 147	266159		1.770	426809240

TEST ALLO STATO DI FORNITURA Test on delivery condition Prüfung auf lieferbereitem Produkt Test à l'état de livraison Prueba sobre el material así como entregado										
TEST	Provetta/Proben Speimen/Eprouvette Längs- und Querschnitt Brille/Clap. Outer Weite/Clap. Thickness Läng. dreh. Apert. mm	°F	Prova Saggio Prüfung Essai (1)	Snervamento Streckgrenze Yield Stress Limite élastique	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction	Allungamento Bruchdehnung Elongation Dehnung	Strizione Einengung Reduction of area Striction	Resistenza Kerbschlagenergie Impact Value Résistance	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Requisits Valeurs requises		min max		-	-	-	-	-	-	
A										363
										344

TEST		min	max
A	Delta Ferrite		
A	Grain size for ASTM E112	5,0	0,1 %
A	RATINGS FREQUENCY	1,10	0
A	RATINGS SEVERITY	1,05	0

Sample cond. H900											
Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique	Temperatura Temperatur Temperature Température	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Retention Mantien	Tipo Trattamento Wärmebehandlung Heat Treatment Treatment Technique	Temperatura Temperatur Temperature Température	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Retention Mantien	Tipo Trattamento Wärmebehandlung Heat Treatment Treatment Technique	Temperatura Temperatur Temperature Température	Raffreddamento Abkühlung Cooler Refroidissement	Permanenza Haltezeit Retention Mantien
Aging	900 °F	AIR	60								
TEST	Provetta/Proben Speimen/Eprouvette Längs- und Querschnitt Brille/Clap. Outer Weite/Clap. Thickness Läng. dreh. Apert. mm	°F	Snervamento Streckgrenze Yield Stress Limite élastique Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Dehnung E 4d %		Strizione Einengung Reduction of area Striction RA %	Resistenza Kerbschlagenergie Impact Value Résistance	Durezza Härte Hardness Dureté HB	
	Valori richiesti 1 Anforderungen/Requisits Valeurs requises	min max	170	-	190	-	10	-	40	388	
	B	12,5	68	L	184	203	15		49		444
										437	

Mechanical properties according to ASTM A370.
Delta Ferrite according to AMS 2315.

1) - elong. di snervamento, 2) - elong. di rottura, 3) - elong. di rottura

Vicenza, 28/04/15 VCO008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkseachverständiger / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
--	--	-----------------

THYSSENKRUPP MATERIALS NA

DART AFROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS

.750" DIA X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-001

10Nov15

Signed by:  Pg 2/2

**Acciaierie
Valbruna S.p.A.**



**CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004), 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephon number: 0039 (0) 444968211

Clienti / Kunden / Purchaser / Client
VALBRUNA CANADA LTD
8724 HOGGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Hersteller/Usine produce

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VII15012271
Lieferanzeige/Fachung Best.R.L.

Certificato nr: MEST681466/2015/
Prüfung/Test/Exam

Conferma ordine nr: EI14010556
Werk/Dur Order/Fel nr.

Marchio di Fabbrica:
Zeichen des Werkschwermetals
Trade mark
Sige de l'usine produce



Punzone del Collaudatore:
Stempel des Werkschwermetals
Inspector's stamp/Punson de l'usine



Stato di fornitura: Hot rolled - COND. A Peeled Reeled/Polished
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD
Erzeugung/Erzeugung/Mode d'elaboration

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Schmelze/Coulée	min - max 0,070	1,00	1,00	15,00 17,00	0,50	3,00 5,00	3,00 5,00	-	-	0,030	0,050	-	-	-	-	-	-
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	S %	N %	Ta %							
266159	0,039	0,44	0,50	15,17	0,19	3,22	4,58	0,053	0,001	0,040	0,0013						

Colata / Schmelze/Coulée	min 0,150 max 0,350	5°C 0,350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nb%+Ta%	Cb(Nb)%																
266159	0,266	0,265															

Ultrasonic volumetric test according to ASTM A388: pass.
Micro and macro etch test: satisfactory.
Produced without class I-II Ozone depleting substances.
Macroetch test per ASTM E340: acceptable.
Furnace calibrated according to AMS-H-6875;A:APRIL 2006
Reduction ratio = 103,2 : 1
Material solution annealed 1904°F for 1 h,
air cooled to below 90°F.
Material is DFARS Compliant

DAS
14
9-89 15/11/12

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind in der Anlage erfüllt
The thermal has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: spektralanalytisch durchgeführt
Anti-racing testing performed: OK
Contrôle antimesclage: satisfaisant

Controllo visivo e dimensionale: soddisfa le esigenze
Berechnung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 28/04/15
VCO008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständigen / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

THYSSENKRUPP MATERIALS NA

PO/Rel 30389

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0250 Nom X 48.0000" X 96.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-003

10 Nov 15
Pg 1/1

Signed by:

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd

PAGE 2 OF 2

单号码: EX1309301GS

品名: STAINLESS STEEL SHEETS,
Commodity SLIT RIDGE

牌号:

304

编号:

EX1309301

货方: GLOBAL STAINLESS STEEL INC.

标准: ASTM A240/A240M

Type

2B

Invoice No.

2013-10-26

用家: GLOBAL STAINLESS STEEL INC.

Specification

表面加工:

2B

Date

序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HRB	炉批号 HEAT NO.	化学成分 (%)							
		Product Size					Tensile Test					Chemical Composition							
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 0.2% YS N/mm ²	抗拉强度 TS N/mm ²	延伸率 EL %			C	Si	Mn	P	S	Ni	Cr	N
12	13102612	0.6096	1219.2	2438.4	118	1612	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
13	13102613	0.6096	1219.2	2438.4	118	1616	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
14	13102614	0.7620	1219.2	2438.4	88	1644	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
15	13102615	0.7620	1219.2	2438.4	87	1626	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
16	13102616	1.2192	1219.2	2438.4	54	1494	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
17	13102617	1.2192	1219.2	2438.4	50	1378	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
18	13102618	1.2192	1219.2	3048	42	1460	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
19	13102619	1.2192	1219.2	3048	45	1574	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
20	13102620	1.5240	1219.2	2438.4	43	1485	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
21	13102621	1.5240	1219.2	2438.4	43	1487	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
22	13102622	1.9050	1219.2	2438.4	40	1725	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
23	13102623	1.9050	1219.2	2438.4	41	1755	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
24	13102624	3.0480	1219.2	3048	17	1482	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
25	13102625	3.0480	1219.2	3048	19	1656	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400

备注 (Remarks):
1. 尺寸和表面: 合格
Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN
HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND
SPECIFICATION
*此报告可完全复制
*The report can only be copied completely

技术本部
无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-004

10Nov15

Signed by: 

Pg 1/1

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 296397

Ship To: ThyssenKrupp Materials NA

2821 Langstaff Road

Concord, ON L4K 5C6

Ticket:

5429222

Our Order: 416010 - 1

Cust P.O.: 268760

Die: ES05691

Part: 05691-000-144

Alloy Temper: 6061 T6511

Description: .375 x 1.000

Print Date: 7/29/15

DAS
14
9-89

15/11/12

Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
407475	15071291B	A11	7/27/15	43.24	39.27	16.3


Applicable Specifications: ASTMB221-13 AMS-QQ-A200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 2.50" X 144.0000"
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-006

10Nov15

Signed by: 

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-269785-3		CUSTOMER PART NUMBER: 470/STK		PRODUCT DESCRIPTION: 1.500 X 2.500 SC RECT BAR	
KAISER ORDER NUMBER: 693752	LINE ITEM: 003	SHIP DATE: 09/10/2015	KAISER LOT NUMBER: Z00635041	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 20.000 PCS	B/L NUMBER: 613147	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

DAS
14 15/11/12
9-89

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00635041	0001	0001	49.8	46.6	16.8	RE 92	N/A	N/A
Z00635041	0001	0002	50.4	47.2	15.7	RE 94	N/A	N/A
Z00635041	0001	0003	49.1	45.8	12.7	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105251	.73	.26	.27	.12	.84	.09	.15	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00193193

Kaiser Order Number: 693752

Line Item: 003

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 3.00" X 72.0000"
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-007

10Nov15

Signed by: 

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-270868-4		CUSTOMER PART NUMBER: 471/STK		PRODUCT DESCRIPTION: 1.500 X 3.000 SC RECT BAR	
KAISER ORDER NUMBER: 696737	LINE ITEM: 004	SHIP DATE: 10/30/2015	KAISER LOT NUMBER: Z00649040	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1524.000 LB	QUANTITY: 24.000 PCS	B/L NUMBER: 613715	DIAM/DAE/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA DAS 14 15/11/12 p-89			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00649040	0001	0001	43.5	39.0	19.5	RE 90	N/A	N/A
Z00649040	0001	0002	44.3	40.3	17.4	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105432	.59	.26	.20	.08	.86	.07	.04	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/6A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00200833

Kaiser Order Number: 696737

Line Item: 004

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L

.375" DIA X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-002

10Nov15

Signed by: 

Pg 1/1

outokumpu
high performance stainless steel



Certificate of Test

Page: 1

HEAT E141275 / ORDER 654149/ 07 BOL 0230825 * CERTIFICATION * 01/29/15

SHIP TO:
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY

NORTHWOOD 436190000

5400234633

YOUR ORDER & DATE
9/08/14 CUST# 0316001 CUST TAG#SSRD00578

ITEM DESCRIPTION
GRADE 304L/304 Ship Condition CONDA
Size 304L RND CDA CONDA .3750 x 144.000 RD
Country of Melt: UNITED KINGDOM Country of Mfg.: UNITED STATES
NAFTA Country of Origin is Country of Melt

No weld repair
Free of mercury contamination, Free of radiation contamination
No WEEE relevant substances; Meets EU electrical ROHS

Total Bundles 1 Total Weight 1190 Approx. Hot Red. Ratio 242:1

DAS

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WO 2053988 Bundles: 1V

SPECIFICATIONS
MFG TO FINISHED BAR IN THE USA FROM BILLETS IMPORTED UNITED KINGDOM
AMS 5639H, 5647J S&S AMS-00-S-763C
ASME SA182 2007-2013 Ed. ASME SA479 2007-2013 Ed.
ASTM A182 13a ASTM A262 98 Practice E
ASTM A276 13a ASTM A479/A479M 14
ASTM A484 14a ASTM E112 96
DIN 50049/EN 10204 Type 3.1 Solution Annealed Condition
DEFARS 252.225.7009 10/4/11 DEFARS 225.7002-3(B)(1)
Federal Spec QQ-S-763F NACE MR0175-09, mid-rad hard
Prodec Quality UNS S30400, AISI 304
ASTM F899 12

MECHANICAL & OTHER TESTS
Hardness as shipped 223 HB
Hardness as shipped (96 HRC)
Grain size 6.0 Tensile strength, KSI (MPa) 100.6 (694)
Micro OK 0.2% Yield Strength, KSI (MPa) 81.9 (565)
Intergranular corrosion OK
Elongation % in 4D 48.0
Reduction of area % 72.1

CHEMICAL COMPOSITION
Carbon (C) .025 Manganese (Mn) 1.800
Phosphorus (P) .037 Sulphur (S) .025
Silicon (Si) .260 Chromium (Cr) 18.470
Nickel (Ni) 8.190 Cobalt (Co) .123
Copper (Cu) .620 Moly (Mo) .400
Nitrogen (N) .069 Columbium (Cb) .012
Titanium (Ti) .003 Aluminum (Al) .006
Tin (Sn) .008 Boron (B) .001
Tantalum (Ta) .001 Vanadium (V) .060
Tungsten (W) .029
Columbium/ Tantalum (Cb+Ta) .013
Iron (Fe) Balance
Melt Practice EAF
Refining Practice AOD
De-long Ferrite

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes. We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

Outokumpu Stainless Bar, LLC
3043 Crenshaw Pkwy.
Richmond, SC 29129

M.F. Marcanio, Quality Manager

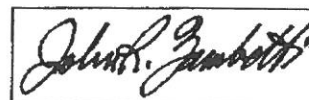


From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403699371

CstAr CstOr 265170

Wgt.: 55 LB Date 02/24/2015



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-005

10Nov15

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-270243-4		CUSTOMER PART NUMBER: B22/STK		PRODUCT DESCRIPTION: 1.000 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 695075	LINE ITEM: 004	SHIP DATE: 10/01/2015	KAISER LOT NUMBER: HK104-200	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 0.000 LB	QUANTITY: 0.000 PCS	B/L NUMBER: 613391	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

DAS

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Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK104-200	0001	1	51.4	45.7	18.0	RE 91	N/A	N/A
HK104-200	0002	2	44.7	36.1	22.0	RE 91	N/A	N/A
HK104-200	0003	3	54.7	49.5	14.0	RE 93	N/A	N/A
HK104-200	0004	4	44.1	36.4	20.0	RE 94	N/A	N/A
HK104-200	0005	5	44.3	37.1	18.0	RE 90	N/A	N/A
HK104-200	0006	6	44.2	37.1	20.0	RE 90	N/A	N/A
HK104-200	0007	7	44.2	36.9	20.0	RE 92	N/A	N/A
HK104-200	0008	8	44.6	37.7	20.0	RE 95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.43	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
T50811	.60	.22	.26	.07	.83	.05	.01	.00	.00	.00	.00	.00	.00

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SEC1 II (A9S-QQ-A-200/3-97 (REF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00196228

Kaiser Order Number: 695075

Line Item: 004

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963109-005

10Nov15

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 304L
1.50" DIA X 144.000"
PART NO.

PO:REL 30389

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-962968-001
10 Nov 15
Pg 1/1



METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

740 Imperial Road North

Certificate: 108552 1

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 10/27/2015 Page: 1

Customer: 007206 001

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Steel: 304/304L
Finish: CD

Your Order: PEC270795

NAS Order: IN 0219688 01

Corrosion: ASTM A262-10 PRAC A/E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS-30400/30403 EN 10204 3.1, ASTM A484/13a
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,
ASTM S4479/13, ASME SA182/10 CHEM ONLY
AMS 5659H, AMS 5647J, AMS Q08-763C, Q08-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPM 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
15/11/12
9-89

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH4427 3		1.500		846	144.00	1	1	

CHEMICAL ANALYSIS

CM(Country of Metl) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NT %	P %
N4W9	US	.0134	.1875	18.0965	.3490	1.3395	.3235	.0756	8.5020	.0270

S %	SI %
.0275	.3395

MECHANICAL PROPERTIES

Product Id	1 d 0.1 HB 0.1 KSI	2 YS KSI	UTS KSI	RA %	ELONG % AD
BH4427 3	R L 201.0	80.02	99.25	72.33	48.18

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

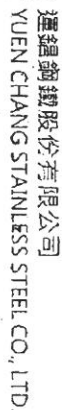
10/27/2015

STAINLESS STEEL SHEET 304-2B
 .0480 Nom X 48.0000" X 96.0000"
 PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-963106-001

10Nov15
Pg 1/1



DAS

MILL TEST CERTIFICATE(S) 14
列印日期 ISSUE DATE: 2014/12/24 9-89

高雄市和奎區中庄四路235號13F
13F, No. 235 Junggeng 4th Road, Chianjin
Chiui, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-96857688
<http://www.yuanchang.com.tw>

Jacky Cheng

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 144.0000"
 PART NO.

PO/Rel 30389

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963106-002

10Nov15

Signed by:  Pg 1/2

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 2 pages (Page# 1)

Customer: COPCON PO#:PEC-270234 SO#:LKBK80

MTR#:HECL1769-1.GIF

Item: 080481446061T6 Bundle: Z-1506Y6095-2 Heat#: Z 1506Y6095

HENAN MINGTAI AL. INDUSTRIAL CO., LTD
 HUIGUO ZHEN, GONGYI, HENAN, CHINA 451283
 TEL: 371-67898611 FAX: 371-67898612

MILL TEST CERTIFICATE

HECL1769-1

TO:

TA CHEN INTERNATIONAL INC.

5855 OBISPO AVENUE
 LONG BEACH, CA 90805
 TEL: (562)808-8199
 FAX: (562)808-8110

INVOICE NO.:

TZCH150704

PO NO.:

L52047-S/L52388-S/L52395-S/L52409-S/
 L52414-S/L52420-S/N07763-VN08112-I

LOADING PORT:

TIANJIN, CHINA

DESTINATION:

CHICAGO, USA

SHIPPING MARKS:

N/M

DATE:

10-Jul-15

ISF NO.:

BEFT53500614720

DAS

14

9-89

DESCRIPTION OF GOODS:

ALUMINUM COIL 1100 O

CERTIFIED TO ASTM B209-10, AMS-QQA250/1 AMS 4003 SPECS.

ALUMINUM COIL 3003 H14

CERTIFIED TO ALL AA, ASTM B209-10, AMS/QQA 250/2, AMS 4008K SPECS.

ALUMINUM SHEET 5052/H32

CERTIFIED TO ALL AA, ASTM B209-10, AMS/QQA 250/3, AMS 4016M SPECS.

ALUMINUM TREAD COIL AND PLATE 3003 H22/H24

CERTIFIED TO MINGTAI TREAD BRIGHT SPECS.

ALUMINUM SHEET 6061 T6

CERTIFIED TO ASTM B209-10, ASME SB-209, AMS 4027N, AMS-QQ-A-250/11 SPECS.

CIF CHICAGO, USA

CHEMICAL COMPOSITION

Heat No.	Alloy/Tmp	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1506Y1178	1100 O	0.004	0.471	0.052	0.043	0.005	0.006	0.029	0.007	0.15	REMAINDER
Z-1506Y1179	1100 O	0.006	0.459	0.051	0.008	0.005	0.004	0.025	<0.001	0.15	REMAINDER
B-15061361	3003 H14	0.005	0.559	0.112	1.109	0.002	0.007	0.030	0.007	0.15	REMAINDER
B-15061362	3003 H14	0.006	0.567	0.112	1.146	0.014	0.007	0.035	0.008	0.15	REMAINDER
B-15061365	3003 H14	0.003	0.573	0.110	1.112	0.007	0.005	0.032	0.007	0.15	REMAINDER
B-15061366	3003 H14	0.117	0.558	0.109	1.127	0.018	0.010	0.035	0.007	0.15	REMAINDER
B-15061368	3003 H14	0.105	0.560	0.113	1.106	0.037	0.010	0.033	0.014	0.15	REMAINDER
Z-1506Y3239	3003 H14	0.092	0.559	0.110	1.106	0.005	0.010	0.034	0.008	0.15	REMAINDER
Z-1506Y3275	3003 H14	0.095	0.564	0.117	1.147	0.006	0.006	0.036	0.009	0.15	REMAINDER
Z-1506Y8007	3003 H22/H24	0.139	0.564	0.105	1.118	0.020	0.003	0.036	0.013	0.15	REMAINDER
Z-1506Y8082	3003 H22/H24	0.078	0.554	0.138	1.119	0.018	0.005	0.030	0.007	0.15	REMAINDER
Z-1506Y8096	3003 H22/H24	0.098	0.522	0.093	1.043	0.005	0.001	0.029	0.007	0.15	REMAINDER
Z-1506Y8171	3003 H22/H24	0.104	0.551	0.094	1.022	0.010	0.001	0.032	0.009	0.15	REMAINDER
Z-1506Y8207	3003 H22/H24	0.095	0.596	0.095	1.066	0.009	0.001	0.030	0.009	0.15	REMAINDER
Z-1506Y8210	3003 H22/H24	0.095	0.508	0.084	1.032	0.015	0.001	0.028	0.009	0.15	REMAINDER
Z-1506Y8219	3003 H22/H24	0.058	0.340	0.143	0.917	0.004	0.016	0.027	0.007	0.15	REMAINDER
ZB-1506Y8107	3003 H22/H24	0.111	0.502	0.111	1.174	0.010	0.007	0.035	0.009	0.15	REMAINDER
ZB-1506Y8110	3003 H22/H24	0.088	0.505	0.125	1.185	0.018	0.007	0.032	0.010	0.15	REMAINDER
Z-1506Y8095	6061 T6	0.024	0.346	0.252	0.025	1.056	0.005	0.025	0.187	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy/Tmp	Specs(In)	Tensile strength		Yield strength		Elongation
			Mpa	Ksi	Mpa	Ksi	
Z-1506Y1178	1100 O	023" x 1.25" C	100	15	53	9	38

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.0810 Nom X 48.0000" X 144.0000"
PART NO.

PO/Rel 30389

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-963106-002

10Nov15

Signed by: _____

Pg 2/2

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 2 pages (Page# 2)

Customer: COPCON PO#:PEC-270234 SO#:LKBK80

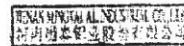
MTR#:HECL1769-2.GIF

Item:.080481446061T6 Bundle:Z-1506Y6095-2 Heat#:Z-1506Y6095

HECL1769-2

Z-1506Y1179	1100 0	.028".41 25°C	104	15	69	9	28
B-15061361	3003 H14	.040".80°C	167	23	147	21	11
B-15061362	3003 H14	.063".80°C	162	23	158	23	14
B-15061365	3003 H14	.100".80°C	162	23	150	22	12
B-15061366	3003 H14	.100".80°C	171	25	158	23	14
D-15061368	3003 H14	.125".80°C	159	23	140	20	10
Z-1506Y3239	3003 H14	.180".48°C	141	20	128	19	18
Z-1506Y3275	3003 H14	.100".48°C	141	20	125	18	18
Z-1506Y8007	3003 H22/H24	.125".48".120	121	18	104	15	18
Z-1506Y8082	3003 H22/H24	.125".48".120	125	18	103	15	20
Z-1506Y8096	3003 H22/H24	.063".48".96	133	19	100	15	10
Z-1506Y8171	3003 H22/H24	.100".80".120	134	19	121	18	16
Z-1506Y8207	3003 H22/H24	.063".48".C	125	18	92	13	14
Z-1506Y8210	3003 H22/H24	.063".48".120	125	18	90	13	14
Z-1506Y8219	3003 H22/H24	.063".48".96	127	18	93	13	12
ZB-1506Y8107	3003 H22/H24	.125".48".120	122	18	92	13	20
ZB-1506Y8110	3003 H22/H24	.125".48".96	133	19	95	14	20
Z-1506Y8095	6061 T6	.060".48".144	311	45	299	43	10

PRODUCER: HENAN MINGTAI AL INDUSTRIAL CO., LTD
COUNTRY OF MELT AND MANUFACTURE: CHINA



MATERIAL RECEIPT INSPECTION FORM

MATERIAL M17-4
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REQ'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB .750
THICKNESS RECEIVED RB .750
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
<p>INSPECTED BY <u>DAS</u> <u>14</u> <u>9-89</u></p> <p>DATE <u>15/11/12</u></p>	<p>SIGNED OFF BY _____</p> <p>DATE _____</p>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED RB. 375
THICKNESS RECEIVED RB. 375
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/11/12</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT RECD yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED RB. 750
THICKNESS RECEIVED RB. 750
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY <u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY _____
DATE <u>15/11/12</u>	DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304S186A
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 160sf
QUANTITY INSPECTED 160sf
QUANTITY REJECTED _____

THICKNESS ORDERED .050"
THICKNESS RECEIVED .046"
SHEET SIZE ORDERED 4'x8'
SHEET SIZE RECEIVED 4x8'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>DAS</u> DATE <u>15/11/12</u>	SIGNED OFF BY _____ DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT RECD yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED .375X1.00
THICKNESS RECEIVED .375X1.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT THICKNESS	<input checked="" type="radio"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY DAS
14
9-89
DATE 15/11/12

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
 DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT RECD 46
 QUANTITY RECEIVED ~~100X2.00~~ 12'
 QUANTITY INSPECTED 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED 1.00X2.00
 THICKNESS RECEIVED 1.00X2.00
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>DAS</u> <u>14</u> <u>9-89</u> DATE <u>15/11/12</u>	SIGNED OFF BY _____ DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
DATE 15/11/12

PO / BATCH NO 30389/133587

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED _____

THICKNESS ORDERED 1.50x2.50
THICKNESS RECEIVED 1.50x2.50
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>DAS</u> <u>14</u> DATE <u>15/11/12</u>	SIGNED OFF BY _____ DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
DATE 15/11/12

PO / BATCH NO 30389/133582

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 6'
QUANTITY INSPECTED 6'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.50x3.00
THICKNESS RECEIVED 1.50x3.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY DAS
14
9-89
DATE 15/11/12

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6
DATE 15/11/12

PO / BATCH NO 30389/33587

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 96 sA
QUANTITY INSPECTED 96 sA
QUANTITY REJECTED _____

THICKNESS ORDERED .080
THICKNESS RECEIVED .080
SHEET SIZE ORDERED 4'x12'
SHEET SIZE RECEIVED 4'x12'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

<p>INSPECTED BY <u>DAS</u> <u>14</u> DATE <u>15/11/12</u></p>	<p>SIGNED OFF BY _____ DATE _____</p>
---	---

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 1 of 8

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
----------	---	------------------------	--------------------------------------	----	--------------------------------	---------------	-------------------

1	M174R0.750	17-4 round bar .750	11/16/2015 Yes 11/16/2015		12.00 f	\$5.33	\$63.90
---	------------	---------------------	---------------------------------	--	------------	--------	---------

17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$63.90

2	M304R0.375	304 ROUND BAR 0.375	11/16/2015 Yes 11/16/2015		24.00 f	\$1.46	\$35.00
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MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 2 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M304RO.750	304 SS Roundbar .750	11/16/2015	12.00	✓	\$3.38	\$40.50
			Yes	f			
			11/16/2015				
	MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276						
	(NOTE: AISI 303 NOT ACCEPTABLE)						

Line Total: \$40.50

4	M304S18GA	304/316 .050 Sheet	11/16/2015	160.00	✓	\$3.64	\$582.50
			Yes	sf			
			11/16/2015				
	PURCHASE MATERIAL: AISI 304/316 SS SHEET						
	ANNEALED						
	SPECIFICATION: MIL-S-5059						
	OR AMS 5513 (304)						
	OR AMS 5524 (316)						
	ORASTMA240						
	OR ASME SA240						

SF 11-11

Line Total: \$582.50

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 3 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

5	M304S24GA	304/316 .025 Sheet	11/16/2015	32.00	✓	\$2.97	\$95.00
			Yes	sf			
			11/16/2015				

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$95.00

6	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	11/16/2015	12.00	24 FT	\$2.92	\$35.00
			Yes	f			
			11/16/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 4 of 8

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

7	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	11/16/2015	12.00	\$5.44	\$65.25
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$65.25

8	M6061T6B1.500X02.500	6061-T6 Bar 1.50 x 2.50	11/16/2015	12.00	\$9.94	\$119.25
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$119.25

9	M6061T6B30000X01.500	6061-T6 Bar 3.00 x 1.50	11/16/2015	6.00	\$18.02	\$108.10
			Yes	f		
			11/16/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

SP15-11-11

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 5 of 8

Order From :
VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Total: \$108.10

10	M6061T6S.080	6061-T6 .080 Sheet	11/16/2015	96.00	✓	\$3.75	\$359.70
			Yes	sf			
			11/16/2015				

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$359.70

11	M7075T6B0.375X8.000	7075-T6 Plate 0.375" X 8.000", QQ-A 250/12	11/18/2015	FN	24.00		\$26.13	\$627.00
			Yes		f			
			11/18/2015					

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$627.00

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 6 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

12	M7075T6B1.000X7.000	7075-T6 BAR 1.000" X 7.000"	11/18/2015	12.04	\$38.41	\$462.50
			Yes	f		
			11/18/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: **\$462.50**

13	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	11/18/2015	22.00	\$20.41	\$449.00
			Yes	f		
			11/18/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: **\$449.00**

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 7 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA – (Free Carrier)

14	M7075T6B3.500X02.000	7075-T6 BAR 3.500' X 2.000" (Cut into 51" pieces)	11/16/2015	17.00		\$45.81	\$778.80
		Yes		f			
		11/16/2015					

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 4 PCS AT 51", GRAIN DIRECTION ALONG 51"

Line Total: **\$778.80**

15	M7075T6B4.000X4.000	7075-T6 BAR 4.000" X 4.000"	11/16/2015	FN	16.00	\$111.00	\$1,776.00
		Yes		f			
		11/16/2015					

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 6 PCS AT 32", GRAIN DIRECTION ALONG 32"

Line Total: **\$1,776.00**

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note:

11/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30389**

Purchase Order Date 11/6/2015

PO Print Date 11/6/2015

Page Number 8 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

16	M304B0.500X2.500	304 BAR .500 x 2.50	11/16/2015	12.00	\$18.25	\$219.00
			Yes	f		
			11/16/2015			

Line Total: **\$219.00**

17	71401-45	PROCUREMENT QUALITY CLAUSES	11/16/2015	1.00	\$0.00	\$0.00
			No			
			11/16/2015			

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total: **\$0.00**

PO Total: **\$5,816.50**

PO Instructions: QUOTE NO. PEC ST-863656,
PEC ST-865054

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 11/6/2015